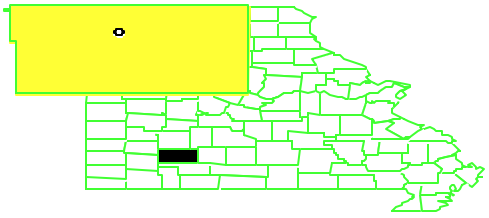
NORTH-U DRIVE WELL CONTAMINATION

MISSOURI
EPA ID# MOD007163108

EPA Region 7
City: North of Springfield
County: Greene County
Other Names:

06/03/2003



SITE DESCRIPTION

In 1983, the residents near the North-U Drive Well Contamination site became concerned over the taste of their drinking water. When the State investigated, it discovered that seven private wells at five locations were contaminated with volatile organic compounds (VOC)s. The source of the contamination was unknown when the contamination was discovered. There is no defined site boundary. This site is in a rural residential area just north of Springfield with approximately 300 people living within a 1/4 mile radius. The contaminated wells are located 1,500 feet west of Fulbright Spring, an alternate source of municipal drinking water for the City of Springfield, which has a population of 133,000.

Site Responsibility:

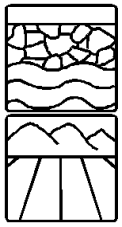
This site was addressed through Federal and State actions.

NPL LISTING HISTORY

Proposed Date:	10/15/1984
Final Date:	06/10/1986
Deleted Date:	09/08/1994

THREATS AND CONTAMINANTS

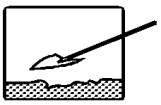
Soil and ground water in the private wells were found to be contaminated with VOCs



including toluene and benzene. The majority of the private wells have been plugged and do not pose any human exposure. However, a few owners have refused to have their wells plugged and were using contaminated ground water for drinking. Subsequently, public drinking water has been available to more of the area residents. However, having discovered that the contamination is related to petroleum products, the EPA does not have authority under Superfund to address such releases. Metals were found in some nearby private wells; however, there are no known nearby sources of metal contamination. The metals found in ground water may be a natural phenomenon resulting from metals in local soils or bedrock or could be attributed to plumbing. Because the bedrock is fractured, it may allow contaminants to migrate from the immediate area in directions and at speeds which would not otherwise be expected.

CLEANUP APPROACH

Response Action Status



Initial Actions: In 1985, under a Removal Action, the EPA extended the Springfield public water supply lines to North-U Drive. In addition, 67 private wells were plugged permanently to prevent their use and to prevent the well casings from serving as conduits of deep aquifer contamination.

Site Studies: The Missouri Department of Natural Resources conducted a remedial investigation (RI) into the nature and extent of site contamination. Data from this investigation was used by the EPA to determine that the releases were from petroleum products. In early 1993, a remedy was selected in which the EPA determined that it could not undertake additional response actions to address the organic contaminants in the ground water because the Comprehensive Environmental Response, Compensation, and Liability Act "Petroleum Exclusion" precludes Superfund response actions for the release of petroleum products. The site has been deleted from the NPL.

Site Facts:

ENVIRONMENTAL PROGRESS

Extending public water lines and plugging 67 private wells to prevent further use has elimated the potential of exposure to hazardous substances in the drinking water of those homes and will continue to protect households around the North-U Drive Well Contamination Site.

SITE REPOSITORY

Kearney Branch Library
630 W. Kearney
Springfield, MO 65801

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER: Tonya Howell
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PHONE NUMBER: (913) 551-7589

COMMUNITY INVOLVEMENT COORDINATOR: Hattie Thomas
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E-MAIL ADDRESS: thomas.hattie@epa.gov

STATE CONTACT:
PHONE NUMBER:

MISCELLANEOUS INFORMATION

STATE: MO
074R
CONGRESSIONAL DISTRICT: 07
EPA ORGANIZATION: SFD-SUPR/MOKS

MODIFICATIONS

Created by: Karla Asberry/SUPRFUND/R7/US EPA/US

Created Date: 11/13/1997 03:50 PM

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